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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/538,689	06/10/2005	Kouichiro Inomata	052684	6764
38834 WESTERMAI	7590 12/10/200 N. HATTORI, DANIEI	EXAM	EXAMINER	
1250 CONNECTICUT AVENUE, NW INGHAM, JOHN C			I, JOHN C	
SUITE 700 WASHINGTO	N. DC 20036		ART UNIT	PAPER NUMBER
	,		2814	
			MAIL DATE	DELIVERY MODE
			12/10/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Advisory Action Before the Filing of an Appeal Brief

Application No.	Applicant(s)		
10/538,689	INOMATA ET AL.		
Examiner	Art Unit		
JOHN C. INGHAM	2814		

--The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

IHE	E REPLY FILED 14 November 2007 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE.
1. 🛭	🛛 The reply was filed after a final rejection, but prior to or on the same day as filing a Notice of Appeal. To avoid abandonment of this
	application, applicant must timely file one of the following replies: (1) an amendment, affidavit, or other evidence, which places the
	application in condition for allowance; (2) a Notice of Appeal (with appeal fee) in compliance with 37 CFR 41.31; or (3) a Request
	for Continued Examination (RCE) in compliance with 37 CFR 1.114. The reply must be filed within one of the following time

periods: The period for reply expires 3 months from the mailing date of the final rejection.

The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection.

Examiner Note: If box 1 is checked, check either box (a) or (b). ONLY CHECK BOX (b) WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f).

Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

NOTICE OF APPEAL

The Notice of Appeal was filed on . A brief in compliance with 37 CFR 41.37 must be filed within two months of the date of filing the Notice of Appeal (37 CFR 41.37(a)), or any extension thereof (37 CFR 41.37(e)), to avoid dismissal of the appeal. Since a Notice of Appeal has been filed, any reply must be filed within the time period set forth in 37 CFR 41.37(a).

AMENDMENTS

3. The proposed amendment(s) filed after a final rejection, but prior to the date of filing a brief, will not be entered because
(a) ☐ They raise new issues that would require further consideration and/or search (see NOTE below);
(b) ☐ They raise the issue of new matter (see NOTE below);
(c) 🔲 They are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for
appeal; and/or
(d) ☐ They present additional claims without canceling a corresponding number of finally rejected claims.

NOTE: . (See 37 CFR 1.116 and 41.33(a)). The amendments are not in compliance with 37 CFR 1.121. See attached Notice of Non-Compliant Amendment (PTOL-324).

Applicant's reply has overcome the following rejection(s):

6. Newly proposed or amended claim(s) would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).

7. X For purposes of appeal, the proposed amendment(s): a) will not be entered, or b) x will be entered and an explanation of how the new or amended claims would be rejected is provided below or appended.

The status of the claim(s) is (or will be) as follows:

Claim(s) allowed: Claim(s) objected to:

Claim(s) rejected: 1-20. Claim(s) withdrawn from consideration: ___

AFFIDAVIT OR OTHER EVIDENCE

8. The affidavit or other evidence filed after a final action, but before or on the date of filing a Notice of Appeal will not be entered because applicant failed to provide a showing of good and sufficient reasons why the affidavit or other evidence is necessary and was not earlier presented. See 37 CFR 1.116(e).

9. The affidavit or other evidence filed after the date of filing a Notice of Appeal, but prior to the date of filing a brief, will not be entered because the affidavit or other evidence failed to overcome all rejections under appeal and/or appellant fails to provide a showing a good and sufficient reasons why it is necessary and was not earlier presented. See 37 CFR 41.33(d)(1).

10. The affidavit or other evidence is entered. An explanation of the status of the claims after entry is below or attached. REQUEST FOR RECONSIDERATION/OTHER

11. X The request for reconsideration has been considered but does NOT place the application in condition for allowance because: See Continuation Sheet.

12. Note the attached Information Disclosure Statement(s). (PTO/SB/08) Paper No(s). 13. Other:

/Howard Weiss/

Primary Examiner Art Unit 2814

Continuation of 11, does NOT place the application in condition for allowance because: The rejection of 14 August 2007 is maintained. Regarding the argument on page 13 that using SyAF in a triple layer structure makes film thickness thicker, resulting in a disadvantage – and that therefore it would not have been obvious to use SyAF as a spin injection device: the '586 reference discloses a first magnetic layer and a second magnetic layer having different magnitudes of magnetization (due to differing thicknesses, see paragraph 59). This meets the ilmitations of the device as claimed. Regarding the argument on page 14, the '586 reference discloses on page 19 various thicknesses of illipace (see paragraph 189) and a junction width of 1 micrometer or less. An aspect ratio (thicknesswidth) of that a lay is satisfied by the thickness of the ferrous materials (paragraph 189) divided by the width of the films (paragrap 189), Regarding the argument on page 15, the '586 reference discloses optional materials for the free layer (see paragraph 40-41) that include the same materials as specified by the instant application (see instant application paragraph 33, ferromagnetic free layer is CoFe) and describes a sequence of layers in paragraph 31, the desires.